

In the Claims:

Please amend the claims as follows:

Claims 1-17 have been cancelled.

18. (Original) A process for manufacturing a composite, the process comprising shearing cellulosic or lignocellulosic fiber, and combining the sheared cellulosic or lignocellulosic fiber with a resin.

19. (Original) The process of claim 18, wherein the resin is a thermoplastic resin.

20. (Original) The process of claim 18, wherein the step of shearing the cellulosic or lignocellulosic fiber comprises shearing with a rotary knife cutter.

21. (Original) A process for preparing a texturized fibrous material, the process comprising:

shearing a cellulosic or lignocellulosic material having internal fiber.

22. (Original) The method of claim 21, wherein said cellulosic or lignocellulosic material is selected from the group consisting of flax, hemp, cotton, jute, rags, paper, paper products, and byproducts of paper manufacturing.

23. (Original) The method of claim 21, wherein the cellulosic or lignocellulosic material is pulp board.

24. (Original) The method of claim 21, wherein the cellulosic or lignocellulosic material is a synthetic material.

25. (Original) The method of claim 21, wherein the cellulosic or lignocellulosic material is a non-woven material.

26. (Original) The method of claim 21, wherein the cellulosic or lignocellulosic material is poly-coated paper.

27. (Original) The method of claim 21, wherein at least about 50% of the fibers have a length/diameter ratio of at least about 5.

28. (Original) The method of claim 21, wherein at least about 50% of the fibers have a length/diameter ratio of at least about 25.

29. (Original) The method of claim 21, wherein at least about 50% of the fibers have a length/diameter ratio of at least about 50.

30. (Original) A fibrous material comprising a cellulosic or lignocellulosic material, wherein said cellulosic or lignocellulosic material is sheared to the extent that it has a bulk density less than about  $0.5 \text{ g/cm}^3$ .

31. (Original) The fibrous material of claim 30, wherein said material is incorporated into a structure or carrier.

32. (Original) The fibrous material of claim 31, wherein the structure or carrier also comprises a fibrous material having a bulk density less than about  $0.5 \text{ g/cm}^3$ .

33. (Original) The fibrous material of claim 30, wherein said texturized fibrous material has a bulk density less than about 0.2 grams per cubic centimeter.

34. (Original) The fibrous material of claim 30, wherein said texturized fibrous material has a bulk density on the order of about 0.1 grams per cubic centimeter.

35. (Original) The fibrous material of claim 30, wherein said cellulosic or lignocellulosic material comprises paper or paper products.

36. (Original) A composition comprising the fibrous material of claim 30 and a chemical or chemical formulation.

37. (Original) The composition of claim 36, wherein the chemical formulation comprises a pharmaceutical.

38. (Original) The composition of claim 36, wherein the chemical formulation an agricultural compound.

39. (Original) The composition of claim 36, wherein the chemical formulation comprises an enzyme.

40. (Original) A composition comprising the fibrous material of claim 30 and a liquid.

41. (Original) A composition comprising the fibrous material of claim 30 and particulate, powdered, or granulated solid.

42. (Original) The composition of claim 41, wherein the solid comprises plant seed.

43. (Original) The composition of claim 41, wherein the solid comprises a foodstuff.

44. (Original) The composition of claim 41, wherein the solid comprises bacteria.

Claims 45-51 have been cancelled.

52. (Original) A composite comprising a resin and fibrous reinforcement, wherein the fibrous reinforcement has a bulk density less than about  $0.5 \text{ g/cm}^3$ .

53. (Original) The composite of claim 52, wherein the fibrous reinforcement has a bulk density less than about  $0.2 \text{ g/cm}^3$ .